Agenda for today

- Decide on a language
- Feedback to first slide set
  (does inverted classroom work?)
- Organisational: Give everybody ...
  - ... *Reporter* access to Git Subgroup 2020_aos
  - ... *Write* access to AOS Wiki
- Kaiser to attempt a demo of environment
- First milestone to be done individually, how to work after that?
  - Groups of two students (as UNSW does)?
  - Larger groups (how large, then?)
  - Additional topics to address?

→ no need to decide this today.

Feedback: some questions

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- Explain concept of policy/mechanism an their seperation
- Give/explain criteria for functionality to be implemented either in a (micro-)kernel or at user level
  (Examples: memory management, device drivers, ...)
- Explain *Trusted Code Base*
- Why is microkernel IPC performance so important?
- What was the problem with DoS attacks against 2nd Gen microkernels?
  (Reasons? Possible Countermeasures?)
- Explain *delegation of authority*
- Explain, in your own words, what are capabilities?
- How are threads and address spaces orthogonal concepts?
- How UNIX processes fit into this picture?

Feedback: some questions (2)

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- Why are there explicit *Call* and *Repy-and-Wait* syscalls?
  (both send and receive, so why the distinction, why not have individual Send/Receive calls?)
- How (technically) can access rights to regions of memory be transferred by IPC?
- Explain implications of unbuffered IPC
- Why all that fuss about single-use reply caps? Why can't a server just receive the ID of the calling thread?
- What is the point of using *badges*?